

Title (en)

METHOD AND APPARATUS FOR PRODUCING CLOSED CELL FOAM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON GESCHLOSSEN-ZELLIGEN SCHAUMPRODUKTEN

Title (fr)

PROCEDE ET APPAREIL DE PRODUCTION D'UNE MOUSSE CELLULAIRE

Publication

EP 0787034 B2 20020102 (EN)

Application

EP 95935161 A 19950927

Priority

- US 9512392 W 19950927
- US 31335994 A 19940927

Abstract (en)

[origin: US5480589A] Methods and apparatus for producing high quality closed cell foams for use in applications such as coatings, sealant beads, seam filling and gaskets. An in-line single pass static mixing device containing a very large number of individual mixing elements is used to homogeneously disperse a gas throughout a highly viscous liquid polymeric material such as a plastisol, silicone, butyl or urethane based material.

IPC 1-7

B01F 5/06

IPC 8 full level

B01F 5/00 (2006.01); **B01F 5/06** (2006.01); **B05C 5/00** (2006.01); **B05C 11/10** (2006.01); **B29B 7/74** (2006.01)

CPC (source: EP KR US)

B01F 23/235 (2022.01 - EP); **B01F 25/40** (2022.01 - KR); **B01F 25/43161** (2022.01 - EP US); **B01F 25/43162** (2022.01 - EP); **B01F 25/43231** (2022.01 - EP US); **B29B 7/325** (2013.01 - EP); **B29B 7/603** (2013.01 - EP US); **B29B 7/72** (2013.01 - EP); **B29B 7/7419** (2013.01 - EP US); **B29B 7/7447** (2013.01 - EP US); **B01F 25/43162** (2022.01 - US); **Y10S 261/26** (2013.01 - EP US)

Citation (opposition)

Opponent :

- US 4778631 A 19881018 - COBBS JR WALTER H [US], et al
- US 3704006 A 19721128 - GROUT KENNETH M, et al
- US 3800985 A 19740402 - GROUT K, et al
- EP 0326704 A2 19890809 - NORTON CO [US]
- Product Information Sheet "Ross ISG Mixer"
- Information sheet: Ross Interfacial Surface Generator Motionless, Continuous Mixer

Designated contracting state (EPC)

BE DE ES FR GB IT SE

DOCDB simple family (publication)

US 5480589 A 19960102; AU 3728495 A 19960419; AU 688984 B2 19980319; CA 2197891 A1 19960404; CA 2197891 C 20010731; DE 69505999 D1 19981217; DE 69505999 T2 19990415; DE 69505999 T3 20020822; EP 0787034 A1 19970806; EP 0787034 B1 19981111; EP 0787034 B2 20020102; ES 2125053 T3 19990216; ES 2125053 T5 20020616; JP 3180914 B2 20010703; JP H10506572 A 19980630; KR 100292096 B1 20011025; KR 970706058 A 19971103; WO 9609881 A1 19960404

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US 31335994 A 19940927; AU 3728495 A 19950927; CA 2197891 A 19950927; DE 69505999 T 19950927; EP 95935161 A 19950927; ES 95935161 T 19950927; JP 51200796 A 19950927; KR 19970702128 A 19970327; US 9512392 W 19950927